

CLAIMS

Claims 1 through 16. (Cancelled)

17. (Currently Amended) An electrode for a fuel cell comprising a catalyst layer including an ion-exchange resin and a proton-conducting substance, wherein the proton-conducting substance is a fullerene derivative including an electron-withdrawing group; and the ion-exchange resin is made of sulfonic acid type perfluorocarbon polymers, polysulfone resins, or phosphonic or carboxylic perfluorocarbon polymer.

18. (Previously Presented) An electrode for a fuel cell comprising:
a catalyst layer comprising a catalyst particle, a carrier supporting the catalyst particle, a carrier supporting the catalyst particle, an ion-exchange resin and a proton-conducting substance; and
a conductive porous substrate supporting the catalyst layer,
wherein the proton-conducting substance is a fullerene derivative including an electron-withdrawing group; and the ion-exchange resin is made of sulfonic acid type perfluorocarbon polymers, polysulfone resins, or phosphonic or carboxylic perfluorocarbon polymer.

19. (Cancelled)

20. (Cancelled)

21. (Previously Presented) A new fuel cell comprising:

an electrode for a fuel cell in a fuel-feeding side;

an electrode for a fuel cell in an oxygen-feeding side; and

a solid electrolyte membrane sandwiched between these electrodes,

wherein at least the electrode for a fuel cell in the oxygen-feeding side is the electrode for a fuel cell as claimed in Claim 17.

22. (Previously Presented) A new fuel cell comprising:

an electrode for a fuel cell in a fuel-feeding side;

an electrode for a fuel cell in an oxygen-feeding side; and

a solid electrolyte membrane sandwiched between these electrodes,

wherein at least the electrode for a fuel cell in the oxygen-feeding side is the electrode for a fuel cell as claimed in Claim 18.